

10 30 50
GTGAGATGGTGCTTTTCATGAATCCCCCAACAAGAGCCAAGCTCTCCATCTAGTGACAG
70 90 110
GGAAGCTAGCAGCAAACCTTCCCTTCACTACGAACTTCATTGCTTGGCCCAAAAGAGAG
130 150 170
TTAATTCAATGTAGACATCTATGTAGGCAATTAACCTATTGATGTATAAACAGTTT
190 210 230
GCATTTCATGGAGGGCAACTAAATACATTCTAGGACTTTATAAAAGATCACTTTTATTTA
250 270 290
TGCACAGGGTGAACAAGATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTAT
M D Y Q V S S P I Y D I N Y
310 330 350
TATACATCGGAGCCCTGCCCAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCCTGCCT
Y T S E P C P K I N V K Q I A A R L L P
370 390 410
CCGCTCTACTCACTGGTGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCATCCTCATC
P L Y S L V F I F G F V G N M L V I L I
430 450 470
CTGATAAACTGCCAAAGGCTGGAGAGCATGACTGACATCTACCTGCTCAACCTGGCCATC
L I N C Q R L E S M T D I Y L L N L A I
490 510 530
TCTGACCTGTTTTCTTCTTACTGTCCCCTTCTGGGCTCACTATGCTGCCGCCAGTGG
S D L F F L L T V P F W A H Y A A A Q W
550 570 590
GACTTTGAAATACAATGTGTCAACTCTTGACAGGGCTCTATTTTATAGGCTTCTTCTCT
D F G N T M C Q L L T G L Y F I G F F S
610 630 650
GGAATCTTCTTCATCATCCTCCTGACAATCGATAGGTACCTGGCTATCGTCCATGCTGTG
G I F F I I L L T I D R Y L A I V H A V
670 690 710
TTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGTGGTGACAAGTGTGATCACTTGGGTG
F A L K A R T V T F G V V T S V I T W V
730 750 770
GTGGCTGTGTTTGGTCTCTCCCAGGAATCATCTTTACCAGATCTCAAAAAGAAGGTCTT
V A V F A S L P G I I F T R S Q K E G L
790 810 830
CATTACACCTGCAGCTCTCATTTTCCATACAGTCAGTATCAATTCTGGAAGAATTTCCAG
H Y T C S S H F P Y S Q Y Q F W K N F Q
850 870 890
ACATTAAAGATAGTCATCTTGGGGCTGGTCTGCCGCTGCTTGTGATGGTCATCTGCTAC
T L K I V I L G L V L P L L V M V I C Y
910 930 950
TCGGAATCCTAAAACTCTGCTTCGGTGTGAAATGAGAAGAAGAGGCACAGGGCTGTG
S G I L K T L L R C R N E K K R H R A V

FIG.1A

970	990	1010
AGGCTTATCTTCACCATCATGATTGTTTATTTTCTTCTGGGCTCCCTACAACATTGTC		
R L I F T I M I V Y F L F W A P Y N I V		
1030	1050	1070
CTTCTCCTGAACACCTTCCAGGAATTCTTTGGCCTGAATAATTGCAGTAGCTCTAACAGG		
L L L N T F Q E F F G L N N C S S S N R		
1090	1110	1130
TTGGACCAAGCTATGCAGGTGACAGAGACTCTTGGGATGACGCACTGCTGCATCAACCCC		
L D Q A M Q V T E T L G M T H C C I N P		
1150	1170	1190
ATCATCTATGCCTTTGTCCGGGAGAAGTTCAGAACTACCTCTTAGTCTTCTTCCAAAAG		
I I Y A F V G E K F R N Y L L V F F Q K		
1210	1230	1250
CACATTGCCAAACGCTTCTGCAAATGCTGTTCTATTTTCCAGCAAGAGGCTCCCGAGCGA		
H I A K R F C K C C S I F Q Q E A P E R		
1270	1290	1310
GCAAGCTCAGTTTACACCCGATCCACTGGGGAGCAGGAAATATCTGTGGGCTTGTGACAC		
A S S V Y T R S T G E Q E I S V G L *		
1330	1350	1370
GGACTCAAGTGGGCTGGTGACCCAGTCAGAGTTGTGCACATGGCTTAGTTTTTCATACACA		
1390	1410	
GCCTGGGCTGGGGGTGGGTGGAAGAGGTCTTTT		

FIG.1B

